

Claims

- Sub A1 10
1. Star shaped alumina extrudates with a pore volume in pores of diameter of over 1000 nm, as determined by mercury porosimetry, of at least 0.05 ml/g, a side crushing strength of at least 50 N and a bulk crushing strength of at least 5 MPa.
  2. Extrudates according to claim 1, having a length of between 2 and 8mm.
  3. Extrudates according to claim 1 or 2, having a length to diameter ratio of between 1 and 3.
  4. Extrudates according to claims 1-3, wherein the total pore volume a determined by mercury porosimetry is between 0.5 and 0.75 ml/g.
  5. Extrudates according to claims 1-4, wherein the BET surface area is at least 75 m<sup>2</sup>/g.
  - 15 6. Extrudates according to claims 1-5, wherein the attrition in accordance with ASTM D4058-87 is less than 5 wt.%, preferably less than 3 wt.%.
  7. Catalyst, comprising at least one catalytically active material supported on an extrudate according to claims 1-6.
  - 20 8. Catalyst according to claim 7, wherein the catalytically active material is selected from the group of metals, metal oxides, metal sulfides and combinations thereof.
  - 25 9. Use of an extrudate according to claims 1-6 or a catalyst according to claim 7 or 8 in a chemical reaction.
- Sub A2 10
- Add A3  
Add B2